# THE PRIME EXAMINATIONS 2024

## P.5 BEGINNING OF TERM IIII

## MATHEMATICS (*New Curriculum*)

*Time allocated 2 hours 30 minutes*

Name:..................................................................................

Signature:...........................................................................

School:.................................................................................

District Name:.....................................................................

### READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has **two** sections: A and B. Section A has **20** questions (**40 Marks**) and Section B has **12** questions. (**60 Marks**)

2. Answer **ALL** questions. All the working for both sections A and B must be shown in the spaces provided.

3. **All working must** be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than on graphs and diagrams will **not** be marked.

4. **No calculators** are allowed in the examination room.

5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks.**

6. Do not fill anything in the table indicated
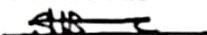    "FOR   EXAMINERS' USE ONLY"

**PUBLISHERS OF:-**

| QUESTION NUMBER | MARKS ATTAINED | INITIALS |
|---|---|---|
| 1 - 5 | | |
| 6 - 10 | | |
| 11 - 15 | | |
| 16 - 20 | | |
| 21 - 22 | | |
| 23 - 24 | | |
| 25 - 26 | | |
| 27 - 28 | | |
| 29 - 30 | | |
| 31 - 32 | | |
| TOTAL | | |

**FOR EXAMINERS' USE ONLY**

APPROVED
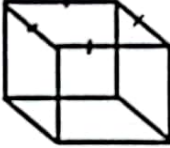
*Consultant*
*Mathematics Department (PEC)*
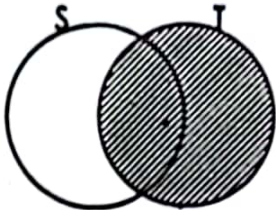
*Turn Over*

*Organised by:* **PRIME EDUCATIONAL CONSULT** **@2024** **Kampala**

CamScanner

## Section A (40 Marks)

| | | | |
|---|---|---|---|
| 1. | Multiply: $40 \times 2$ | 2. | Write fourteen thousand six hundred eighty in figures. |
| 3. | Name the shape below.  | 4. | Given that set $X = \{4, 6, 8, 10, 12\}$ and set $Y = \{1, 2, 3, 4, 5, 6\}$. Find $n(X \cap Y)$ |
| 5. | Simplify: $\frac{3}{5} - \frac{1}{2}$ | 6. | Find the next number in the sequence below; 3, 7, 12, 18, 25, _____. |
| 7. | Convert 7 weeks to days. | 8. | Given that  represents 15cups, how many cups are represented by ? |
| 9. | Find the sum of 1072 and 695. | 10. | Draw an angle of $35^0$ in the space below. |

THE PRIME P5 MATHEMATICS BEGINNING OF TERM III EXAMINATIONS 2024.
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Visit "www.prime-learn.com" for Online Video lessons, Exercises and Trial tests with Marking guides.

| | | | |
|---|---|---|---|
| 11. | Write XLIX in Hindu Arabic numerals. | 12. | A car covered a distance of 180km in $1\frac{1}{2}$ hr. At what speed was the car travelling? |
| 13. | Describe the unshaded part on the venn diagram below.  | 14. | Convert 4000cm to m. |
| 15. | Draw tally marks to represent 18 pupils. | 16. | Round off 4813 to the nearest hundreds. |
| 17. | Work out: ☐ ÷ 15 = 4. | 18. | A circular flower garden has a diameter of 48m. Find its radius. |
| 19. | Write 17.36 in expanded form using place values. | 20. | Convert 24 ten to base five. |

## Section B (60 Marks)

21. Given that set K= {4, 7, 8, 9, 11, 5} and set T= {1, 3, 4, 6, 7, 12}.

(a) Represent the above sets on the Venn diagram below. **(03 marks)**
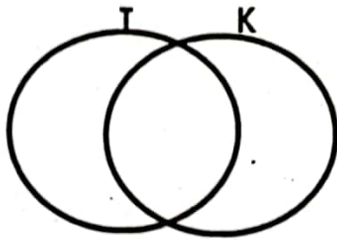


(b) Find n(K-T). **(02 marks)**

22. Given the digits 4, 6, 3.

(a) Write down all the possible 3 digit numerals that can be formed using the above digits. **(04 marks)**

(b) Find the difference between the **biggest** and the **smallest** numerals formed. **(02 marks)**

23. Work out: 41 – 2 x 9 + 12 **(02 marks)**

**(b) Fill in the missing number in the boxes below.** (03 marks)

$$
\begin{array}{r}
7\square6 \\
12\overline{)8\,9\,52} \\
-8\square\downarrow\downarrow \\
\overline{\phantom{0}5\,5} \\
-\square 8\downarrow \\
\overline{\phantom{0}7\,2} \\
-\underline{7\,2} \\
\overline{\phantom{0}--}
\end{array}
$$

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**24.** (a) Find the L.C.M of 15 and 12. (02 marks)

(b) Find the value of P if $P = 2^3 \times 3 \times 5$. (02 marks)

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**25.** What is $\frac{8}{9}$ of 63 sweets? (02 marks)

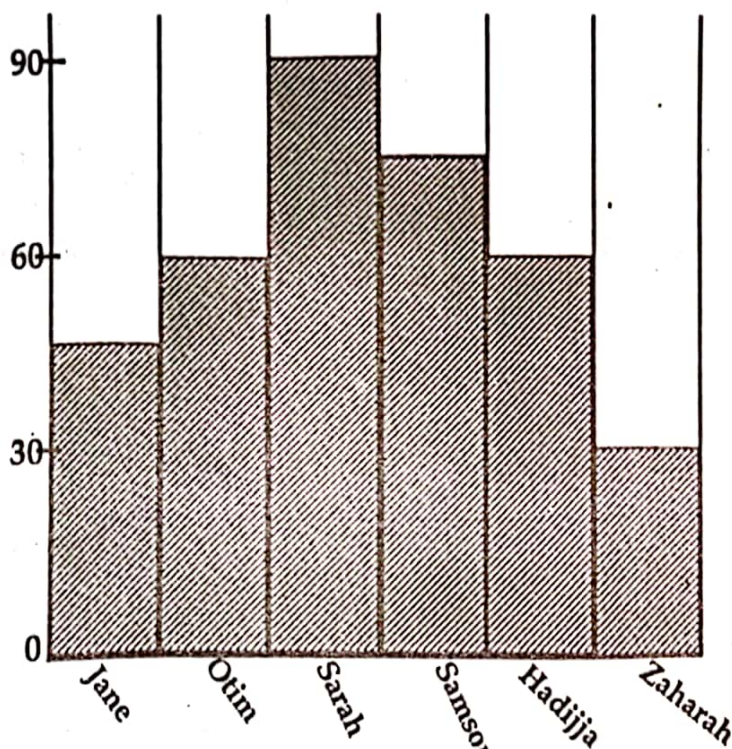(b) Arrange $\frac{3}{5}, \frac{1}{2}$ and $\frac{3}{4}$ in ascending order. (03 marks)

| 26 | Workout: 0.87 + 4.2 + 9. | (02 marks) |
|----|--------------------------|------------|

(b) Find the sum of the value of 4 with the value of 8 in 2.478. (03 marks)

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27. The graph below shows the marks scored by Primary five pupils in End of Term II Exams.



(a) How many marks did Jane score? (01 marks)

(b) Find the average mark of all the scores of all the pupils shown on the graph. (03 marks)

(c) Which pupils scored the same marks? (01 mark)

28. (a) Using a ruler, a pencil and a pair of compasses construct a rectangle ABCD in which AB =7cm and BC =5cm. (04 marks)

(b) Measure the length of diagonal AC. (01 mark)
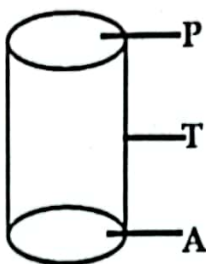
29. A bus covered 200km at a speed of 60km/hr. If the journey started at 9:20am, when did the journey end? (03 marks)

(b) Convert 5 hours to days. (02 marks)

30. Below is a cylindrical tin.

(a) Name the parts labelled.

(i) A _____ (01 mark)

(ii) T _____ (01 mark)

(iii) P _____ (01 mark)

(b) Draw a net of the above figure. (01 mark)

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31. In a class of 80 pupils, $\frac{5}{16}$ are boys and the rest are girls.

(a) Find the fraction of girls. (02 marks)

(b) How many more girls than boys are in the class? (03 marks)

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32. Fill in the missing number in the box.

(i) $\boxed{\phantom{x}} - 3 = 11$ (02 marks)

(ii) $16 + \boxed{\phantom{x}} = 8$ (02 marks)

(iii) $5 \times \boxed{\phantom{x}} = 45$ (02 marks)